

**Amendments to the Claims:**

The following listing of claims will replace all prior versions, and listings, of claims in the application:

1-22. (Canceled)

22. (Currently Amended) Brazing A brazing method for, through melting of a connecting agent then solidification of ~~this~~ the connecting agent, achieving a mechanical and electrical connection between ~~at least one~~ a first face, of a first piece of an electro-technical device, and ~~at least one~~ a second face, of a second piece of the electro-technical device, said first piece and said second piece being constituents of an electro-technical device, the method comprising:

connecting the first piece and the second piece with the connecting agent by locally heating the second piece with a predetermined amount of energy for a first duration of time to only melt the connecting agent, wherein:

the first piece being ~~is~~ made starting from;

at least one a first metallic material in the form of a foil of a given thickness, ~~this~~ the first metallic material comprising a first main constituent, referred to as the first main constituent, ~~said~~ the first metallic material having a defined first temperature of complete solidification temperature(solidus), referred to as the first complete solidification temperature; and

at least one a dielectric interfacing material,

the second piece, on the one hand, having:

has in a direction substantially orthogonal to the second face, a dimension appreciably greater than the thickness of the ~~first metallic material in foil~~; ~~form~~ making up the first piece; and, ~~on the other hand, being~~

is composed of a second metallic material, referred to as the second metallic material, comprising a second main constituent, referred to as the second main constituent, the second main constituent at least substantially similar to the first main constituent of the first metallic material, said the second metallic material likewise having a second temperature of complete solidification temperature (solidus), also defined, referred to as the second temperature of complete solidification; and

this brazing method being characterised in that used is achoosing a connecting agent made up beforehand of a third metallic material which, referred to as the third metallic material,that comprises a third main constituent, referred to as the third main constituent, at least substantially similar to the first main constituent, this-the third metallic material having however a temperature of complete melting temperature (liquidus) whichthat is lower,-on the one hand,-than the first complete solidification temperature, and,-on the other hand, lower than the second complete solidification temperature.

23. (Currently Amended) The Bbrazing method according to claim 22, characterised in thatwherein:

chosen is athe connecting agent having has a defined third complete solidification temperature, the method further comprising:

-forming with the connecting agent at least onea fusible element from the connecting agent that is eonstituted able-configured to be placed in contact with at least one of the faces which are the first face, of the first piece, and the second face, of the second pieee, and

-cooling, after having placed the fusible element in contact, at one and the same time, with the first face, of the first piece, and the second face, of the second piece, the second piece is heated locally with a predetermined amount of energy, and this for athe first duration, likewise predetermined, so as to generate firstly solely the melting of the connecting

~~agent, and then secondly the cooling of said the connecting agent to at the defined temperature lower than the a defined third complete solidification temperature.~~

24. (Currently Amended) Brazing ~~The brazing~~ method according to claim 22, characterised in that ~~the step of~~ further comprising:

~~heating of the second piece is begun instantaneously starting from an defined ambient temperature, without this the second piece having to have been heated beforehand in order to bring it to a temperature close to the temperature for complete melting (liquidus) of the connecting agent.~~

25. (Currently Amended) Brazing ~~The brazing~~ method according to claim 22, characterised in that ~~at the end~~ further comprising:

~~of the step during which the second piece is heated for a controlled cooling, after the predetermined first duration, one proceeds to a controlled cooling of said the second piece for a second duration so as to remove the energy related to the heating, and this in a second predetermined duration so as and to prevent any thermal degradation of said the first piece and the second pieces.~~

26. (Currently Amended) Brazing ~~The brazing~~ method according to claim 22, characterised in that it uses wherein:

- ~~a first metallic material having a main constituent, referred to as the first main constituent, which comprises is of aluminiumaluminum,~~
- ~~a second metallic material having a main constituent, referred to as the second main constituent, which is of comprises aluminiumaluminum, and~~
- ~~a third metallic material consisting of an alloy with a main constituent, referred to as the third main constituent, which is of comprises aluminiumaluminum.~~

27. (Currently Amended) The Bbrazing method according to claim 22, characterised in that used is a first metallic material and a second metallic material whose

~~complete solidification temperatures, referred to as~~wherein the first complete solidification temperature and the second complete solidification temperature, are at least substantially similar to one another.

28. (Currently Amended) Brazing The brazing method according to claim 22, characterised in that used is a first metallic material and a second metallic material whose complete solidification temperatures, referred to aswherein the first complete solidification temperature and the second complete solidification temperature, are different from one another.

29. (Currently Amended) The Bbrazing method according to claim 22, characterised in that it useswherein:

—a \_\_\_\_\_ the first metallic material comprises aluminum;

\_\_\_\_\_ and a the second metallic material consisting ofcomprises aluminum; and

\_\_\_\_\_ having a complete solidification temperature (solidus), referred to as the first complete solidification temperature which is at least equal to six hundred thirty five degrees Celsius (635°C);

—a \_\_\_\_\_ the connecting agent consistingconsists of an alloy of aluminum; and of silicon with a percentage by mass of silicon which ranges between seven percent and thirteen percent (7% and 13%) silicon and having a complete melting (liquidus)-temperature which that is at most equal to six hundred thirteen degrees Celsius (613°).

30. (Currently Amended) The Bbrazing method according to claim 22, wherein:  
\_\_\_\_\_ characterised in that it uses a the first metallic material and a the second metallic material comprising comprise aluminum containing at least one of the elements which are silicon, magnesium, manganese, copper, and iron, with percentages by mass which that are such that this the first metallic material has a complete solidification

~~temperature (solidus), referred to as the first complete solidification temperature, which is at least equal to six hundred thirty five degrees Celsius (635°C).~~

31. (Currently Amended) The Bbrazing method according to claim 22, characterised in that it useswherein:

~~the first metallic material and a the second metallic material comprising comprise aluminiumaluminum containing, in particular, silicon, with a percentage by mass of silicon which ranges between zero point twenty five and zero point fifty (0.25 and 0.50;) and having a complete solidification temperature (solidus), referred to as~~

~~the first complete solidification temperature, which is at least equal to six hundred thirty five degrees Celsius (635°C).~~

32. (Currently Amended) Brazing The brazing method according to claim 22, characterised in that it useswherein:

~~-at least one the first piece consisting of at leastcomprises a group of two electrodes separated by at least onean element of the dielectric interfacing material,;~~

~~at least one of these the electrodes being is made starting from a foil of a the foil of the first metallic material of having a very slight thickness,;~~

~~the grouping of said the electrodes being is achieved such that at least one of these the electrodes has a free edge which that extends while thus to forming the first face of the first piece,;~~

~~- at least one other piece, forming an electrical terminal, hereinafter referred to as the second piece forms an electric terminal, intended configured to be connected mechanically and electrically to one of the electrodes of the first piece, and i.e. to one of the electrodes which it comprises,; and~~

~~this the second piece being made up such that it hashas a the second face able configured to be substantially superimposed on the first face of the first piece.~~

33. (Currently Amended) Brazing The brazing method according to claim 22claim 25, characterised in that to heat locally the second piece with a predetermined amount of energy, and this for a first duration, likewise predetermined, so as to generate firstly solely the melting of the connecting agent of the fusible element, then, secondly, the cooling of said connecting agent, wherein an induction heating device is used to heat and then controlledly cool the second piece, the induction device having an induction coil and an apparatus- for supplying the induction coil with power; of a determined frequency.

34. (Currently Amended) The Bbrazing method according to claim 22claim 25, characterised in that to heat locally the second piece with a predetermined amount of energy, and this for a first duration, likewise predetermined, so as to generate firstly solely the melting of the connecting agent of the fusible element, then, secondly, the cooling of said connecting agent, wherein a heating device is used employing an electromagnetic field is used to heat and then controlledly cool the second piece.

35. (Currently Amended) Brazing The brazing method according to claim 33, characterised in that when heating the second piece,further comprising:

rotating the second piece is set in rotation on the induction coil in such a way as to make the heating uniform.

36. (Currently Amended) Brazing The brazing method according to claim 22, characterised in that whenfurther comprising:

heating the second piece~~forcing~~ the first piece is forced against the second piece during heating.

37. (Currently Amended) ElectroAn electro-technical devices, comprising at least onethe first piece and at least onethe second piece between which a mechanical and electrical connection is achieved according to the brazing method of claim 22.

38. (Currently Amended) The electro-technical device of claim 37, wherein the second piece defines a housing.

39. (Currently Amended) The electro-technical device of claim 38, wherein the first piece is a capacitor electrode.

40. (Currently Amended) The electro-technical device of claim 38, wherein the first piece is a battery electrode.

41. (Currently Amended) The electro-technical device, of claim 39, wherein the first piece comprises carbon particles.

42. (Currently Amended) The electro-technical device of claim 39, wherein the capacitor electrode is a double-layer capacitor electrode.